

CLAIM AMENDMENTS

1. (currently amended): An immunocompromised transgenic rodent which ~~has the characteristics of expressing~~ is heterozygous for expression of a first fluorescent protein in all tissues except hair and erythrocytes ~~while maintaining its~~ and maintains an immunocompromised phenotype,

~~wherein said rodent is obtained by first crossing a rodent that expresses said first fluorescent protein by virtue of the presence of a transgenic expression system comprising a nucleotide sequence encoding said first fluorescent protein operatively linked to a β actin promoter which rodent is not immunocompromised with a rodent that does not express the fluorescent protein and is immunocompromised;~~

~~secondly crossing the offspring of said first crossing to obtain at least one male rodent and at least one female rodent that express said first fluorescent protein and are immunocompromised;~~

~~thirdly crossing said male rodent with said female rodent to obtain at least one offspring that expresses said first fluorescent protein and is immunocompromised;~~

~~fourth, crossing said offspring of said third crossing with a rodent that does not express said first fluorescent protein and is immunocompromised to obtain rodents that have said characteristics; and~~

~~breeding the rodents obtained in said fourth crossing to obtain progeny thereof;~~

wherein said transgenic rodent is further modified to contain a tumor that expresses a second fluorescent protein that emits a wavelength different from that of the first fluorescent protein.

2. (original): The rodent of claim 1 which is a mouse.

3. (currently amended): The mouse of claim 2 ~~wherein the immunocompromised rodent~~ which is a nu/nu mouse.

4-21. (canceled)

22. (new): The rodent of claim 1 which is prepared by a process which comprises first, crossing a rodent that expresses said first fluorescent protein by virtue of derivation from a fertilized egg provided with a transgenic expression system comprising a nucleotide sequence encoding said first fluorescent protein operatively linked to a promoter that effects said expression in all said tissues, which rodent is not immunocompromised

with a rodent that does not express the fluorescent protein and is immunocompromised to produce F1 offspring,

second, crossing those F1 offspring that express said first fluorescent protein in all tissues except hair and erythrocytes to obtain F2 offspring that express said first fluorescent protein and are immunocompromised;

third, crossing those F2 offspring that express said first fluorescent protein in all tissues except hair and erythrocytes and are immunocompromised with a rodent that does not express said first fluorescent protein and is immunocompromised to obtain F3 offspring that are heterozygous for said expression of said first fluorescent protein and are immunocompromised;

modifying said F3 offspring to contain a tumor that expresses a second fluorescent protein that emits a wavelength different from that of the first fluorescent protein, thus producing rodents of claim 1.

23. (new): The rodent of claim 22 which is a mouse.

24. (new): The mouse of claim 23 which is a *nu/nu* mouse.